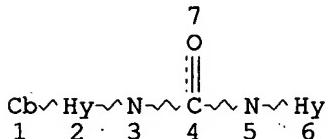


=> d 11  
L1 HAS NO ANSWERS  
L1 STR



NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM  
GGCAT IS MCY LOQ AT 2  
GGCAT IS MCY LOQ AT 6  
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED  
NUMBER OF NODES IS 7

STEREO ATTRIBUTES: NONE

=> s 11 ful  
FULL SEARCH INITIATED 17:59:02 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 742071 TO ITERATE

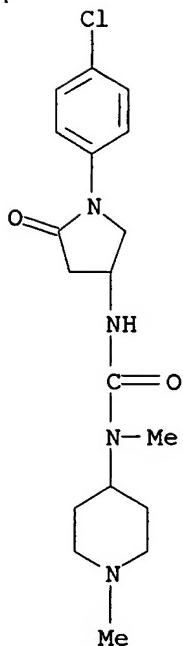
100.0% PROCESSED 742071 ITERATIONS 300 ANSWERS  
SEARCH TIME: 00.00.09

L3 300 SEA SSS FUL L1

=> s 13 and pyrrolidin?  
587764 PYRROLIDIN?  
L4 17 L3 AND PYRROLIDIN?

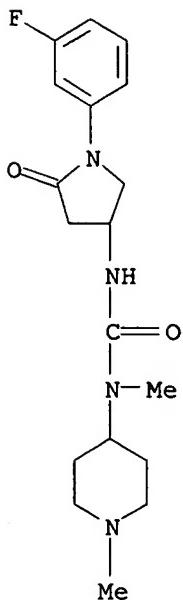
=> d 1-17

L4 ANSWER 1 OF 17 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 887212-58-0 REGISTRY  
ED Entered STN: 08 Jun 2006  
CN Urea, N'-(1-(4-chlorophenyl)-5-oxo-3-pyrrolidinyl)-N-methyl-N-(1-methyl-4-piperidinyl)-(9CI) (CA INDEX NAME)  
MF C18 H25 Cl N4 O2  
SR Chemical Library  
Supplier: Aurora Fine Chemicals



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

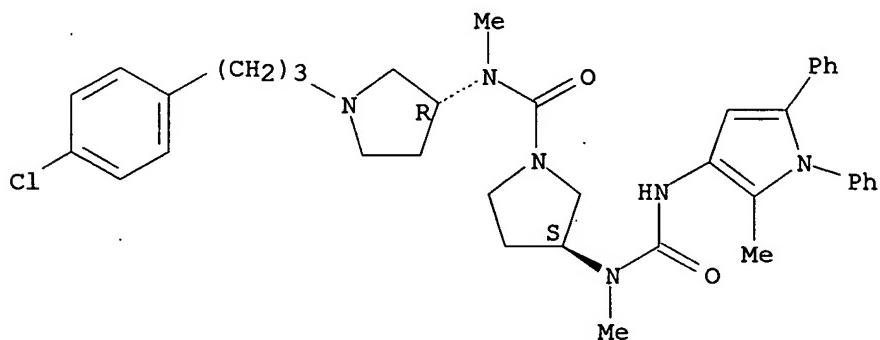
L4 ANSWER 2 OF 17 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 887212-46-6 REGISTRY  
ED Entered STN: 08 Jun 2006  
CN Urea, N'-[1-(3-fluorophenyl)-5-oxo-3-pyrrolidinyl]-N-methyl-N-(1-methyl-4-piperidinyl)- (9CI) (CA INDEX NAME)  
MF C18 H25 F N4 O2  
SR Chemical Library  
Supplier: Aurora Fine Chemicals



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L4 ANSWER 3 OF 17 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 762279-19-6 REGISTRY  
ED Entered STN: 14 Oct 2004  
CN 1-Pyrrolidinecarboxamide, N-[(3R)-1-[3-(4-chlorophenyl)propyl]-3-pyrrolidinyl]-N-methyl-3-[methyl[(2-methyl-1,5-diphenyl-1H-pyrrol-3-yl)amino]carbonyl]amino]-, (3S)- (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C38 H45 Cl N6 O2  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

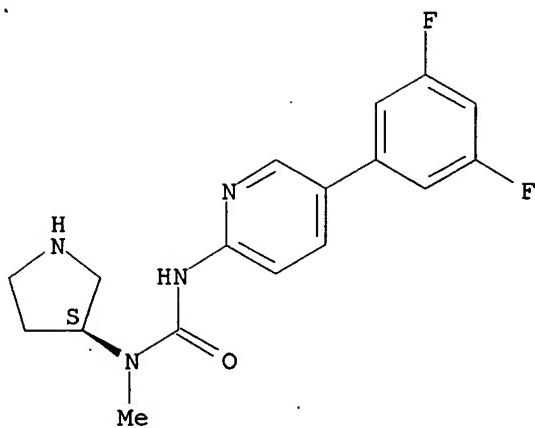


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 4 OF 17 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 757181-07-0 REGISTRY  
ED Entered STN: 06 Oct 2004  
CN Urea, N'-(5-(3,5-difluorophenyl)-2-pyridinyl)-N-methyl-N-(3S)-3-pyrrolidinyl- (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C17 H18 F2 N4 O  
CI COM  
SR CA

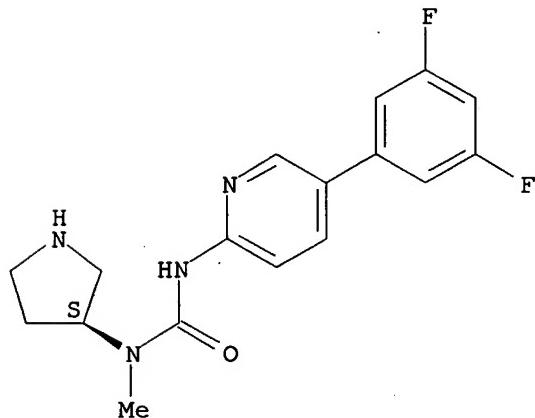
Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L4 ANSWER 5 OF 17 REGISTRY COPYRIGHT 2006 ACS on STN  
 RN 438585-79-6 REGISTRY  
 ED Entered STN: 16 Jul 2002  
 CN Urea, N'-(5-(3,5-difluorophenyl)-2-pyridinyl)-N-methyl-N-(3S)-3-pyrrolidinyl-, monohydrochloride (9CI) (CA INDEX NAME)  
 FS STEREOSEARCH  
 MF C17 H18 F2 N4 O . Cl H  
 SR CA  
 LC STN Files: CA, CAPLUS, USPAT2, USPATFULL  
 CRN (757181-07-0)

Absolute stereochemistry.



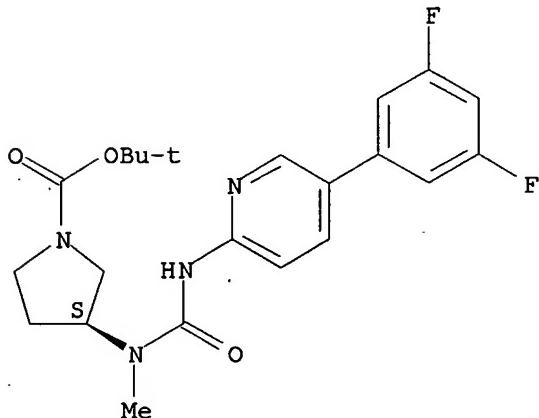
● HCl

2 REFERENCES IN FILE CA (1907 TO DATE)  
 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 6 OF 17 REGISTRY COPYRIGHT 2006 ACS on STN  
 RN 438585-78-5 REGISTRY

ED    Entered STN: 16 Jul 2002  
CN    1-Pyrrolidinecarboxylic acid, 3-[[[5-(3,5-difluorophenyl)-2-pyridinyl]amino]carbonyl]methylamino]-, 1,1-dimethylethyl ester, (3S)-(9CI) (CA INDEX NAME)  
FS    STEREOSEARCH  
MF    C22 H26 F2 N4 O3  
SR    CA  
LC    STN Files: CA, CAPLUS, USPAT2, USPATFULL

Absolute stereochemistry.

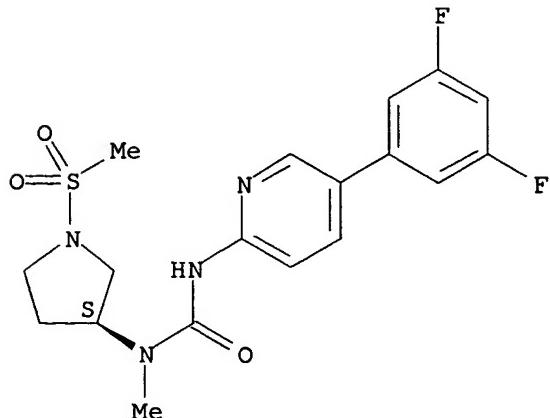


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4    ANSWER 7 OF 17 REGISTRY COPYRIGHT 2006 ACS on STN  
RN    438584-49-7 REGISTRY  
ED    Entered STN: 16 Jul 2002  
CN    3-Pyrrolidinamine, N-[[[5-(3,5-difluorophenyl)-2-pyridinyl]amino]carbonyl]-N-methyl-1-(methylsulfonyl)-, (3S)-(9CI) (CA INDEX NAME)  
FS    STEREOSEARCH  
MF    C18 H20 F2 N4 O3 S  
SR    CA  
LC    STN Files: CA, CAPLUS, USPAT2, USPATFULL

Absolute stereochemistry.

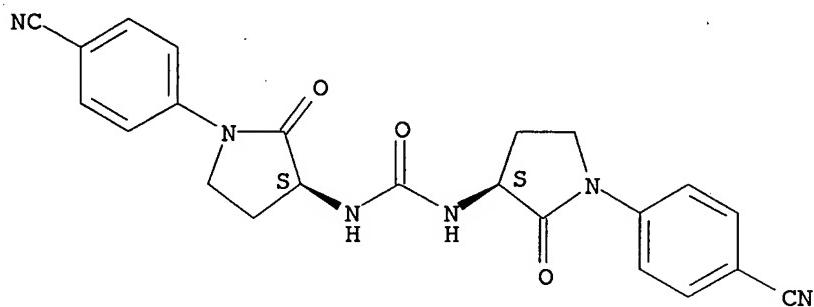


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 8 OF 17 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 292171-43-8 REGISTRY  
ED Entered STN: 03 Oct 2000  
CN Urea, N,N''-bis[(3S)-1-(4-cyanophenyl)-2-oxo-3-pyrrolidinyl]-  
(9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C23 H20 N6 O3  
SR CA  
LC STN Files: CA, CAPLUS

Absolute stereochemistry.

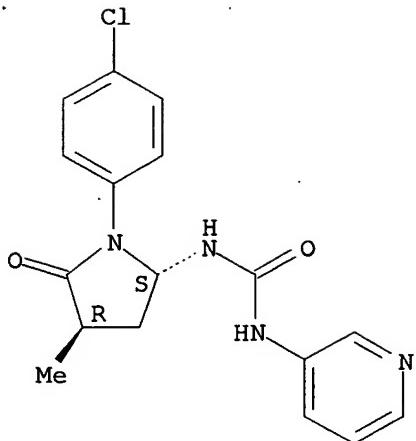


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 9 OF 17 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 284038-71-7 REGISTRY  
ED Entered STN: 08 Aug 2000  
CN Urea, N-[(2R,4S)-1-(4-chlorophenyl)-4-methyl-5-oxo-2-pyrrolidinyl]-N'-  
3-pyridinyl-, rel- (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C17 H17 Cl N4 O2  
SR CA  
LC STN Files: CA, CAPLUS

Relative stereochemistry.

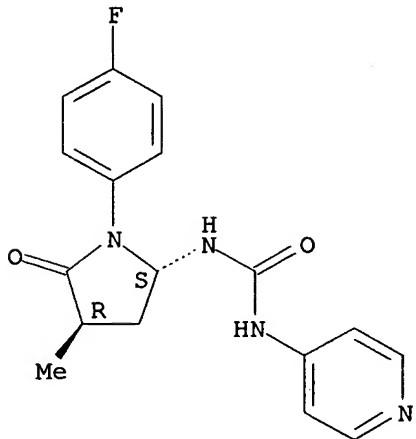


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 10 OF 17 REGISTRY COPYRIGHT 2006 ACS on STN  
 RN 284038-69-3 REGISTRY  
 ED Entered STN: 08 Aug 2000  
 CN Urea, N-[(2R,4S)-1-(4-fluorophenyl)-4-methyl-5-oxo-2-pyrrolidinyl]-N'-4-pyridinyl-, rel- (9CI) (CA INDEX NAME)  
 FS STEREOSEARCH  
 MF C17 H17 F N4 O2  
 SR CA  
 LC STN Files: CA, CAPLUS

Relative stereochemistry.



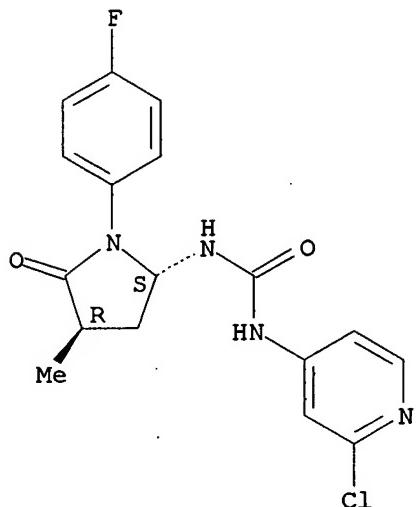
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 11 OF 17 REGISTRY COPYRIGHT 2006 ACS on STN  
 RN 284038-67-1 REGISTRY

ED    Entered STN:  08 Aug 2000  
CN    Urea, N-(2-chloro-4-pyridinyl)-N'-(2R,4S)-1-(4-fluorophenyl)-4-methyl-5-oxo-2-pyrrolidinyl-, rel- (9CI) (CA INDEX NAME)  
FS    STEREOSEARCH  
MF    C17 H16 Cl F N4 O2  
SR    CA  
LC    STN Files: CA, CAPLUS

Relative stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

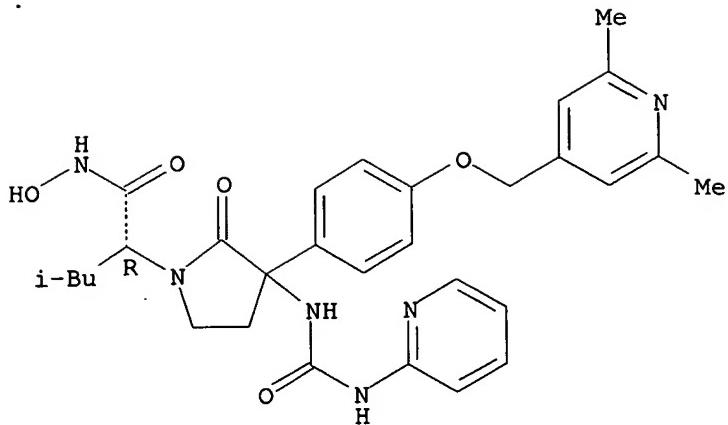
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4    ANSWER 12 OF 17 REGISTRY COPYRIGHT 2006 ACS on STN  
RN    223404-10-2 REGISTRY  
ED    Entered STN:  21 May 1999  
CN    1-Pyrrolidineacetamide, 3-[4-[(2,6-dimethyl-4-pyridinyl)methoxy]phenyl]-N-hydroxy- $\alpha$ -(2-methylpropyl)-2-oxo-3-[(2-pyridinylamino)carbonyl]amino]-, ( $\alpha$ R)-, mono(trifluoroacetate) (salt) (9CI) (CA INDEX NAME)  
FS    STEREOSEARCH  
MF    C30 H36 N6 O5 . C2 H F3 O2  
SR    CA  
LC    STN Files: CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL

CM    1

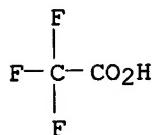
CRN  223403-62-1  
CMF  C30 H36 N6 O5

Absolute stereochemistry.



CM 2

CRN 76-05-1  
CMF C2 H F3 O2



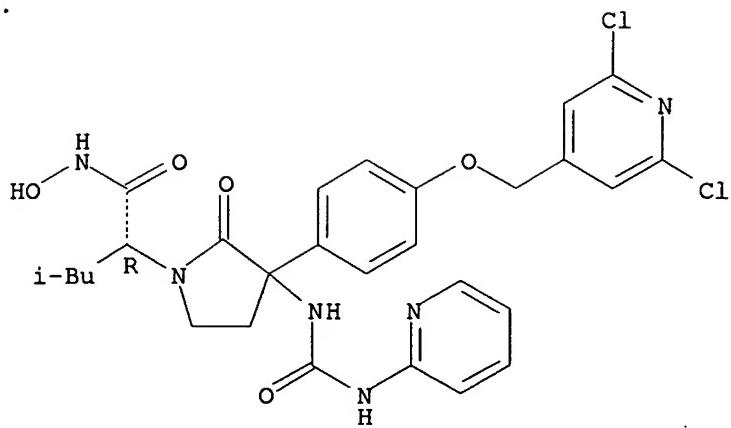
2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 13 OF 17 REGISTRY COPYRIGHT 2006 ACS on STN  
 RN 223404-08-8 REGISTRY  
 ED Entered STN: 21 May 1999  
 CN 1-Pyrrolidineacetamide, 3-[4-[(2,6-dichloro-4-pyridinyl)methoxy]phenyl]-N-hydroxy- $\alpha$ -(2-methylpropyl)-2-oxo-3-[(2-pyridinylamino)carbonyl]amino]-, ( $\alpha$ R)-, mono(trifluoroacetate) (salt) (9CI) (CA INDEX NAME)  
 FS STEREOSEARCH  
 MF C28 H30 Cl2 N6 O5 . C2 H F3 O2  
 SR CA  
 LC STN Files: CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL

CM 1

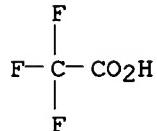
CRN 223403-60-9  
CMF C28 H30 Cl2 N6 O5

Absolute stereochemistry.



CM 2

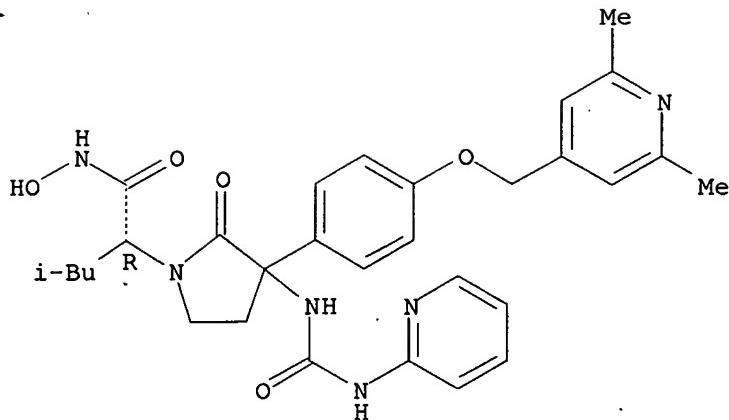
CRN 76-05-1  
CMF C2 H F3 O2



2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 14 OF 17 REGISTRY COPYRIGHT 2006 ACS on STN  
 RN 223403-62-1 REGISTRY  
 ED Entered STN: 21 May 1999  
 CN 1-Pyrrolidineacetamide, 3-[4-[(2,6-dimethyl-4-pyridinyl)methoxy]phenyl]-N-hydroxy- $\alpha$ -(2-methylpropyl)-2-oxo-3-[(2-pyridinylamino)carbonyl]amino]-, ( $\alpha$ R)- (9CI) (CA INDEX NAME)  
 FS STEREOSEARCH  
 MF C30 H36 N6 O5  
 CI COM  
 SR CA  
 LC STN Files: CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL

Absolute stereochemistry.

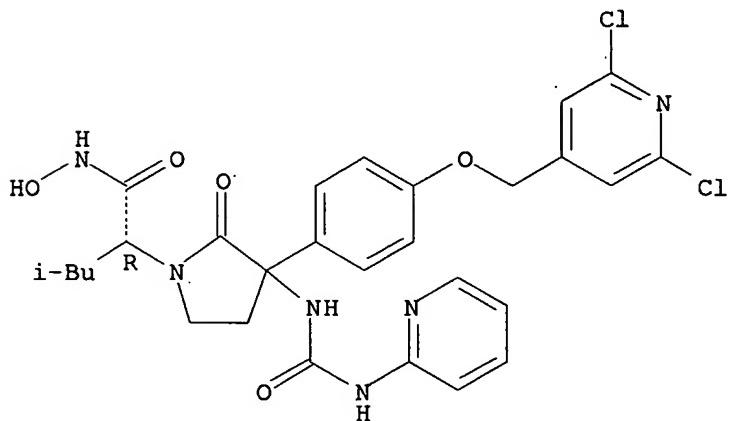


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 15 OF 17 REGISTRY COPYRIGHT 2006 ACS on STN  
 RN 223403-60-9 REGISTRY  
 ED Entered STN: 21 May 1999  
 CN 1-Pyrrolidineacetamide, 3-[4-[(2,6-dichloro-4-pyridinyl)methoxy]phenyl]-N-hydroxy- $\alpha$ -(2-methylpropyl)-2-oxo-3-[(2-pyridinylamino)carbonyl]amino]-, ( $\alpha$ R)- (9CI) (CA INDEX NAME)  
 FS STEREOSEARCH  
 MF C28 H30 Cl2 N6 O5  
 CI COM  
 SR CA  
 LC STN Files: CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

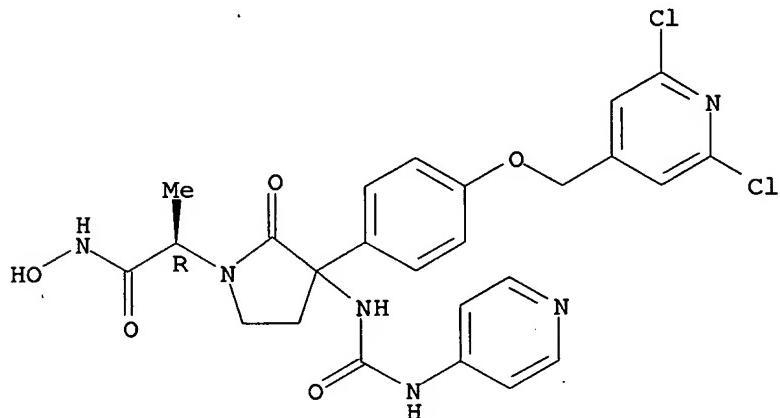
L4 ANSWER 16 OF 17 REGISTRY COPYRIGHT 2006 ACS on STN  
 RN 223403-21-2 REGISTRY

ED    Entered STN: 21 May 1999  
CN    1-Pyrrolidineacetamide, 3-[4-[(2,6-dichloro-4-pyridinyl)methoxy]phenyl]-N-hydroxy- $\alpha$ -methyl-2-oxo-3-[(4-pyridinylamino)carbonyl]amino]-, ( $\alpha$ R)-, mono(trifluoroacetate) (salt) (9CI) (CA INDEX NAME)  
FS    STEREOSEARCH  
MF    C25 H24 Cl2 N6 O5 . C2 H F3 O2  
SR    CA  
LC    STN Files: CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL

CM    1

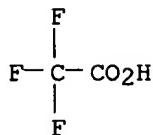
CRN 223403-20-1  
CMF C25 H24 Cl2 N6 O5

Absolute stereochemistry.



CM    2

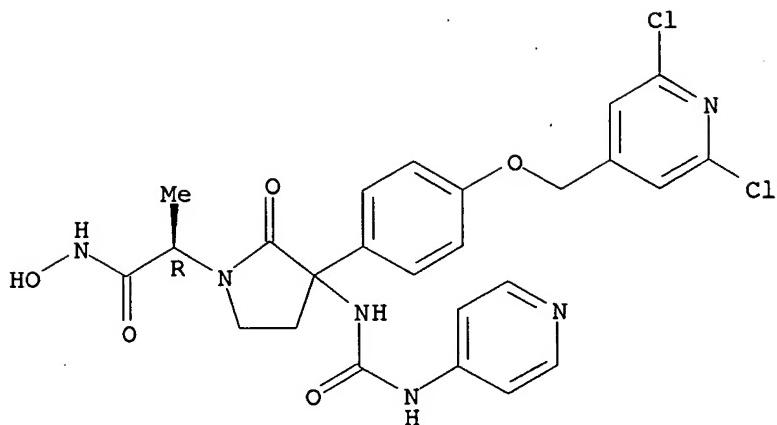
CRN 76-05-1  
CMF C2 H F3 O2



2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4    ANSWER 17 OF 17    REGISTRY    COPYRIGHT 2006 ACS on STN  
RN    223403-20-1    REGISTRY  
ED    Entered STN: 21 May 1999  
CN    1-Pyrrolidineacetamide, 3-[4-[(2,6-dichloro-4-pyridinyl)methoxy]phenyl]-N-hydroxy- $\alpha$ -methyl-2-oxo-3-[(4-pyridinylamino)carbonyl]amino]-, ( $\alpha$ R)- (9CI) (CA INDEX NAME)  
FS    STEREOSEARCH  
MF    C25 H24 Cl2 N6 O5  
CI    COM  
SR    CA  
LC    STN Files: CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s 292171-43-8 or 887212-46-6 or 887212-58-0  
1 292171-43-8  
(292171-43-8/RN)  
1 887212-46-6  
(887212-46-6/RN)  
1 887212-58-0  
(887212-58-0/RN)  
L5 3 292171-43-8 OR 887212-46-6 OR 887212-58-0

=> fil caplus

COST IN U.S. DOLLARS

SINCE FILE  
ENTRY

TOTAL  
SESSION

FULL ESTIMATED COST

207.52 207.73

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FILE LAST UPDATED: 27 Sep 2006 (20060927/ED)

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=> s 15

L6 1 L5

=> d bib abs hitstr

L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2000:554286 CAPLUS

DN 133:242754

TI Development and validation of a single robust HPLC method for the characterization of a pharmaceutical starting material and impurities from three suppliers using three separate synthetic routes

AU Sheldon, E. M.; Downar, J. B.

CS Searle, Monsanto, Chemical Sciences Analytical Department, Skokie, IL, 60077, USA

SO Journal of Pharmaceutical and Biomedical Analysis (2000), 23(2-3), 561-572  
CODEN: JPBADA; ISSN: 0731-7085

PB Elsevier Science B.V.

DT Journal

LA English

AB Novel approaches to the development of anal. procedures for monitoring incoming starting material in support of chemical/pharmaceutical processes are described. High technol. solns. were utilized for timely process development and preparation of high quality clin. supplies. A single robust HPLC method was developed and characterized for the anal. of the key starting material from three suppliers. Each supplier used a different process for the preparation of this material and, therefore, each suppliers' material exhibited a unique impurity profile. The HPLC method utilized standard techniques acceptable for release testing in a QC/manufacturing environment. An automated exptl. design protocol was used to characterize the robustness of the HPLC method. The method was evaluated for linearity, limit of quantitation, solution stability, and precision of replicate injections. An LC-MS method that emulated the release HPLC method was developed and the identities of impurities were mapped between the two methods.

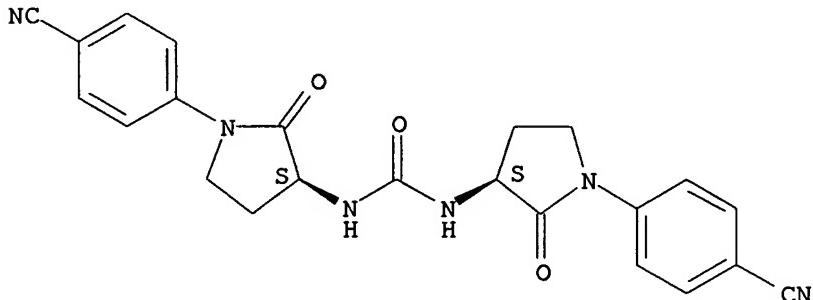
IT 292171-43-8

RL: ANT (Analyte); ANST (Analytical study)  
(development and validation of robust HPLC method for characterization of pharmaceutical starting material and impurities from three suppliers using three sep. synthetic routes)

RN 292171-43-8 CAPLUS

CN Urea, N,N''-bis[(3S)-1-(4-cyanophenyl)-2-oxo-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 9

THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD